



City of San Diego
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Building Newsletter 7-4

Column Jacketing

Interpretations of State and Local Building Codes
1994 Uniform Building Code: Chapter 7
Revision Date: January 1996

bnl 43-09/07-04

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I. Required Column Jacketing

Section 704.2.5 of the Uniform Building Code requires that where the fire-resistive covering on columns is exposed to injury from moving vehicles, the handling of merchandise or other means, such covering shall be protected in an approved manner.

II. Acceptable Methods

The following methods will be considered to provide minimum jacketing protection:

- A. A 22-gauge minimum metal jacket to a height of 6 feet above the ground (3 feet permitted where the hazard is only from passenger motor vehicles). This method is applicable to concrete, masonry, fire-protected steel or wood columns.
- B. One inch of additional concrete coverage over that required for structural or fire-resistive purposes (applicable only to concrete columns). Rectangular concrete columns shall have corners chamfered, but such chamfer shall not exceed one inch.
- C. 2"x 2"x 1/4" steel angles firmly attached on all corners to a height of 6 feet above ground (3 feet permitted where the hazard is only from passenger motor vehicles). This method is applicable only to masonry or rectangular concrete columns.
- D. Wood columns qualifying as heavy timber construction (not less than 8 inches nominal in any dimension when supporting roof or floor loads) need not be provided with jacketing protection.